

*Results of Observations of Sappho (80) made at the National
Astronomical Observatory, Tacubaya, Mexico.*

(Communicated by the Secretaries.)

1888.	Tacubaya Mean Time.			Comp. Star.	80 $\alpha' - \alpha$.	Log $p \Delta$.	$\delta' - \delta$.	Log $p \Delta$.	No. of Comp.	
	h	m	s		m	s				
Mar. 31	11	34	32.9	*19	-1	10.41	9.271 _n	+3 48.91	+0.676	10:10
Apr. 2	12	17	32.7	17	+1	38.20	8.638	-2 08.81	+0.682	12:12
3	10	55	48.2	17	+	48.20	9.386	+5 01.59	+0.664	15:15
4	11	21	38.9	14	+3	18.48	9.234	-1 59.27	+0.672	11:11
5	10	03	36.9	14	+2	27.28	9.525	+5 24.44	+0.644	10:10
9	10	23	38.3	15	-2	30.84	9.397	+4 48.96	+0.654	9:9
10	10	15	57.2	13	+	15.33	9.408	-3 30.44	+0.660	14:14
16	10	52	01.7	9	+1	43.50	9.010	-1 07.93	+0.657	8:8
19	10	13	51.3	8	+	36.90	9.200	+3 29.42	+0.648	10:10
24	11	08	04.1	5	-	54.98	8.526	+ 13.64	+0.644	15:15

Observer: J. Valle.

Comparison Stars.

1888.	Star.	Mag.	Mean R.A.			Red. to App. Place.	Mean Dec.	Red. to App. Place.	Authority.	
			^h 13	^m 32	^s 01.61	^s +1.22	^o -14	ⁱ 01 16.2	^o -4.24	
Mar. 31	*19	7.8								Paris 1855; 1879
Apr. 2	17	8.9		27	26.12	+1.26	-13	40 13.5	-4.69	Weisse, Santini
3	17	8.9		27	26.12	+1.27	-13	40 13.5	-4.80	" "
4	14	8.9		24	0.46	+1.28	-13	25 21.0	-5.06	" "
5	14	8.7		24	0.46	+1.29	-13	25 21.0	-5.16	" "
9	15	7		25	16.70	+1.30	-12	52 15.0	-5.33	Gould, Paris 1870
10	13	9.5		21	35	+1.29	-12	35.5	-5.50	D.M. -12° 3819
16	9	9.2		14	28	+1.32	-11	46.7	-6.04	D.M. -11° 3493
19	8	7.5		12	56.35	+1.33	-12	25 30.0	-6.29	Weisse, Santini
24	5	2.7	13	10	03.98	+1.31	-10	38 50.2	-6.37	Paris 1882

Tacubaya: June 14.

* The numbers refer to Mr. Bryant's list of comparison stars published in the January number of the *Monthly Notices* (vol. xlviii. pp. 95, 96).

Observations of Sappho 80 with the South Equatorial an

(Communicated by R. L.

1888.	Melbourne.	$\Delta \alpha.$			$\Delta \delta.$	Δ	App. $\alpha.$	Planet.	App. N.P.D.	Log. p x
April	h m s	m s	m s	m s	m s	m s	h m s	Log p x $\Delta.$	App. N.P.D.	Log. p x
7	12 0 44.0	+0 28.30	+ 0 31.7	5	13 25 12.04	-8.606	103 8 45.2	+0.56		
8	10 7 1.0	-0 22.76	- 6 56.2	5	13 24 20.98	9.406	103 1 17.4	0.59		
8	10 38 25.1	-0 58.10	+ 8 49.5	5	13 24 19.76	9.294	103 1 8.9	0.58		
10	10 11 20.8	+2 48.30	- 7 28.4	5	13 28 6.17	9.379	102 44 51.1	0.59		
10	10 40 37.2	+1 7.90	+ 0 48.3	5	13 22 28.43	9.239	102 44 38.4	0.58		
11	10 35 21.0	+0 12.19	- 7 29.8	7	13 21 32.73	9.241	102 36 20.4	0.58		
12	10 58 10.3	+0 9.37	- 0 31.2	8	13 20 36.12	9.076	102 27 46.8	0.58		
13	9 27 17.8	-0 43.29	- 7 54.1	10	13 19 43.46	9.448	102 20 23.9	0.60		
15	9 52 34.0	-2 58.00	- 4 54.6	5	13 17 51.46	9.339	102 2 38.5	0.60		
15	10 35 29.0	+1 35.57	+ 2 42.2	5	13 17 49.83	9.131	102 2 19.9	0.58		
16	8 48 45.4	+0 44.23	- 5 21.6	5	13 16 58.49	9.504	101 54 16.1	0.62		
16	9 27 29.3	+0 42.70	- 5 36.2	5	13 16 56.96	9.406	101 54 1.5	0.60		
16	9 44 13.1	+0 41.94	- 5 41.8	5	13 16 56.20	9.352	101 53 55.9	0.60		
16	10 30 11.9	+2 22.05	+ 7 1.5	3	13 16 54.65	9.134	101 53 46.2	0.59		
19	9 27 59.5	+1 15.38	+ 2 33.4	15	13 14 12.62	9.357	101 28 10.2	0.60		
19	10 21 46.1	-0 22.20	-18 53.5	3	13 14 10.40	9.092	101 27 51.3	0.59		

Melbourne Observatory:
1888, August 21.